

INDEX.

A.

- "A New Suspension for the Contact Wires of Electric Railways Using Sliding Bows," presented and discussed, 45.
- ABBOTT, ELIZUR TAVARRO.—Elected a Member, 410.
- Accessions to the Library, 17, 105, 141, 174, 208, 305, 377, 435, 467, 504.
- ACKERMAN, JOHN WALTER.—Transferred to Grade of Member, 3.
- ADAMS, EVERETT EUGENE.—Elected an Associate Member, 166.
- AFFLECK, MYRON HOPKINS STRONG.—Elected a Junior, 46.
- AGRAMONTE, ALBERT ARTHUR. —Elected an Associate Member, 410.
- ALISON, THOMAS HENRY.—Elected a Member, 410.
- ALLEN, ROBERT LIVINGSTON.—Elected an Associate Member, 201.
- ALLEN, WALTER HINDS.—Transferred to Grade of Member, 46.
- ALSBERG, JULIUS.—Elected an Associate Member, 238.
- ALVORD, J. W.—On Committee to Recommend the Award of Prizes, 371.
- AMBLER, JOHN NICHOLAS.—Elected a Member, 200.
- AMBURN, WILLIAM WESLEY.—Elected an Associate Member, 368.
- AMBURSEN, NILS FREDERICK.—Elected a Member, 2.
- Amendments to Constitution.—Text of, 43, 65, 242, 243, 269, 285, 288; Discussion on, 43, 66, 242, 271, 285, 289; Report of Committee on, 241, 267; Correspondence Relating to, 242, 270; Tellers Appointed to Canvass Ballot on, 408; Report of Tellers Appointed to Canvass Ballot on, 409, 410; Appointment of Committee on, 462.
- American Institute of Electrical Engineers.—Invitation from, 132.
- AMMANN, OTHMAR HERMANN. —Elected an Associate Member, 2.

ANDERSON.

- ANDERSON, CHARLES LOUIS BATES.—Elected an Associate Member, 201.
- ANDERSON, GEORGE G.—Discussion by, 244; On Committee to Recommend the Award of Prizes, 371.
- ANDERSON, ROBERT HARLOW.—Elected an Associate Member, 2.
- ANDREWS, HORACE.—Elected a Director, 44, 83; On Publication Committee, 49.
- ANDRUS, LEONARD ALEXANDER. —Elected a Junior, 4.
- Announcements, 5, 101, 136, 170, 204, 301, 372, 413, 463, 499.
- Annual Convention, 40th.—Time and Place Announced, 48; Appointment of Committees of Arrangements for, 48; Minutes of, 241, 244, 247, 264; Excursions and Entertainments at, 294; Attendance at, 297.
- Annual Convention, 41st.—Report of Secretary on Time and Place for, 241, 264.
- Annual Meeting.—Minutes of, 41, 51; Announcements Relating to, 43, 63, 80; Excursions and Entertainments at, 91; Attendance at, 91; Appointment of Committee of Arrangements for, 462.
- ARCHBOLD, W. K.—Discussion by, 45, 409.
- ASHBAUGH, LEWIS EUGENE.—Transferred to Grade of Member, 202.
- ASHTON, WILLIAM.—Elected a Member, 200.
- ATWELL, HARRY HURD.—Elected a Junior, 168.
- AUTEN, CLAUDE ISAAC.—Elected a Junior, 461.
- AYRES, LOUIS EVANS.—Elected a Junior, 496.
- BACHERT, AUGUSTUS ELLSWORTH.—Elected a Member, 238.
- BAILEY, GEORGE IRVING.—Death announced, 168.
- BAILEY, WILLIAM MELVIN.—Transferred to Grade of Member, 133.

BAKER.

- BAKER, HAROLD JAMES MANNING.—Elected an Associate Member, 133.
- BAKER, IRA O.—Discussion by, 244; Resolution by, 245.
- BAKER, SHELDON KING.—Elected an Associate Member, 132.
- BAKER, SHIRLEY.—Transferred to Grade of Member, 239.
- BALDWIN, GEORGE HENRY.—Elected an Associate Member, 2.
- BALDWIN, GEORGE PORTER.—Elected a Member, 45.
- BALZ, LOUIS CHRISTIAN FREDERICK.—Elected an Associate Member, 45.
- BARKMANN, ERNST HENRY.—Elected an Associate Member, 410.
- BARLOW, JOHN SADLER.—Elected an Associate Member, 201.
- BARNES, OLIVER WELDON.—Death announced, 497.
- BARRAGAN, MARIANO MELERIO.—Elected a Member, 45.
- BARRATT, SYDNEY ALFRED.—Elected an Associate Member, 166.
- BARROWS, HAROLD KILBRETH.—Transferred to Grade of Member, 167.
- BARTON, WALTER CHEW.—Elected an Associate Member, 240.
- BASSETT, JOHN BENJAMIN.—Elected a Member, 496.
- BATES, ONWARD.—Nominated as President, 414.
- BATTIE, HERBERT SCANDLIN.—Elected a Junior, 496.
- BAUCUS, WILLIAM I.—Elected a Member, 410.
- BAYLEY, CHARLES ABERCROMBIE DUNBAR.—Elected an Associate Member, 496.
- BAYLISS, JOHN YANCEY.—Transferred to Grade of Member, 368.
- BEACH, LANSING H.—On Committee to Recommend the Award of Prizes, 48, 52.
- BECKER, SYLVANUS A.—Elected an Associate Member, 45.
- BECKLER, ELBRIDGE HARLOW.—Death announced, 408.
- BEEBEE, RALPH AGUSTUS.—Elected a Junior, 369.
- BEELER, JOHN A.—On Local Committee of Arrangements for Annual Convention, 48.
- BELCHER, WALLACE EDWARD.—Elected an Associate Member, 239.

BELKNAP.

- BELKNAP, JOHN MANSFIELD.—Transferred to Grade of Member, 167.
- BELLOWS, DANIEL EVERETT.—Elected an Associate Member, 240.
- BENSEL, J. A.—On Finance Committee, 49; Presides at Meeting, 408; On Committee of Arrangements for Annual Meeting, 462.
- BENZENBERG, G. H.—Presides at Meeting, 41, 51; Appointed as Member of the John Fritz Medal Board of Award, 48.
- BERG, WALTER GILMAN.—Death announced, 237.
- BERRIAN, RICHARD MILFORD.—Death announced, 4.
- BERRY, LESLIE GRAHAM.—Elected an Associate Member, 496.
- BERRY, THOMAS.—Elected a Member, 240.
- BIGGS, CARROLL ADDISON.—Elected a Junior, 369.
- BILLINGS, ASA WHITE KENNEY.—Transferred to Grade of Member, 368.
- BILLINGSLEY, JAMES WARTELE.—Elected an Associate Member, 201.
- BILYEU, CHARLES SMITH.—Elected a Junior, 496.
- BIRCH-NORD, CARL WILLIAM.—Elected an Associate Member, 460.
- BISSELL, CLINTON SPENCER.—Elected a Member, 200.
- BLACK, EDWARD FRYLING.—Elected an Associate Member, 460.
- BLAKE, CARROLL.—Transferred to Grade of Member, 202.
- BLAKELEY, GEORGE H.—Discussion by, 131.
- BLAMPHIN, ARTHUR MERRICK NEWBERRY.—Elected a Junior, 4.
- BLANCHARD, ARTHUR H.—Discussion by, 244.
- BLAUVELT, LOUIS DAVID.—Elected a Member, 200.
- BLYTHE, LUCIEN HOGUET.—Elected an Associate Member, 166.
- Board of Direction.—Report of, 8, 51; Report of, Relative to the Proposed Committee on Underground Piping in City Streets, 42, 48, 52; Resolution of, Relative to the Creation and Preservation of National and State Forest Preserves, 48; Resolution of, On the Death of Thomas Fitch Rowland, 50; Report of, Relative to Ap-

BOGART.

- pointment of Committee on Steel Columns and Struts, 244, 290.
- BOGART, JOHN.—Discussion by, 459.
- BOGERT, CLINTON LATHROP.—Elected a Junior, 369.
- BOND, JUDSON BAKER.—Elected an Associate Member, 239.
- BONNYMAN, ALEXANDER.—Elected a Member, 460.
- BOOTH, GEORGE WILLIAM.—Transferred to Grade of Member, 461.
- BOS, GEORGE ALBERT.—Elected an Associate Member, 239.
- BOUCHER, W. J.—Discussion by, 459.
- BOUTON, NATHANIEL S.—Death announced, 238.
- BOWMAN, A. L.—Presides at Meeting, 1, 199, 495; Discussion by, 200.
- BOYD, ROBERT WRIGHT.—Elected an Associate Member, 2.
- BOYDEN, HARRY CHESTER.—Elected a Member, 238.
- BRACE, JAMES H.—Discussion by, 200.
- BRACKETT, DEXTER.—Elected a Director, 44, 83; On Library Committee, 49.
- BRADY, JOSEPH.—Elected an Associate Member, 460.
- BRAINARD, ALBERT SERENO.—Elected a Junior, 412.
- BRANCH, LESTER VAN NOY.—Elected an Associate Member, 239.
- BRECKINRIDGE, CABELL.—Death announced, 2.
- BREED, HENRY ELTINGE.—Elected an Associate Member, 133.
- BRIGGS, BENJAMIN E.—Elected a Member, 460.
- BRILLHART, JACOB HERBST.—Elected an Associate Member, 460.
- BRINCKERHOFF, H. M.—Discussion by, 165.
- BRINK, LAWRENCE CALVIN.—Elected an Associate Member, 410.
- BRINKLEY, MILO HAMILTON.—Elected an Associate Member, 2.
- BRITT, DUDLEY DIGGS.—Elected a Member, 166.
- BROWN, CHARLES EUGENE.—Elected an Associate Member, 133.
- BROWN, CHARLES FRANKLIN.—Elected an Associate Member, 410.
- BROWN, CLARK.—Elected an Associate Member, 166.
- BROWN, DAVID HARELL.—Elected a Junior, 369.

BROWN.

- BROWN, GROVER CHARLES.—Elected a Junior, 240.
- BROWN, L. L.—Discussion by, 199.
- BROWN, MARSHALL WRIGHT.—Elected an Associate Member, 460.
- BROWN, PERRY FISHER.—Elected a Member, 238.
- BROWN, WILLIAM LOWE.—Discussion by, 237.
- BRUMLEY, DANIEL JOSEPH.—Elected a Member, 238.
- BRUNING, HENRY DIEDRICH.—Elected an Associate Member, 410.
- BRUSH, CARL FLETCHER.—Elected an Associate Member, 133.
- BRYAN, FRED ASDEL.—Elected a Member, 496.
- BRYDONE-JACK, ERNEST EDMUND.—Transferred to Grade of Member, 412.
- BUCHTEL, HENRY A.—Address by, 241, 247.
- BUCK, HENRY ROBINSON.—Transferred to Grade of Member, 46.
- BUDELL, ALFRED EDWARD.—Elected a Junior, 4.
- BURKE, JOHN THOMAS.—Transferred to Grade of Member, 412.
- BURLEY, HARRY BENJAMIN.—Elected a Member, 132.
- BURNS, C. S.—Correspondence by, 496.
- BURNS, JOSEPH PATRICK.—Elected an Associate Member, 496.
- BURR, W. H.—Discussion by, 2.
- BURRAGE, JOHN OTIS.—Elected an Associate Member, 460.
- BURROUGHS, HECTOR ROBINS.—Elected a Junior, 239.
- BURT, H. J.—On Local Committee of Arrangements for Annual Convention, 48.
- BURWELL, ROBERT LEMMON.—Elected an Associate Member, 240.
- BUTCHERS, EARLE BURDETTE.—Elected an Associate Member, 2.
- BUTLER, JOHN SOULE.—Elected an Associate Member, 133.
- BYAM, LEROY HENRY.—Elected a Member, 240.
- CADWALADER, GOUVERNEUR.—Resignation accepted, 49.
- CAHILL, JAMES EDWARD.—Elected a Junior, 168.
- CALDER, JOHN WEBSTER.—Elected a Junior, 369.

CALDWELL.

CALDWELL, GEORGE BOWERS.—Elected a Member, 166.
 CARBAJAL, FERNANDO.—Elected a Junior, 168.
 CARRBERRY, RAY SHEPPARD.—Elected an Associate Member, 133.
 CARPENTER, ALLAN WADSWORTH.—Transferred to Grade of Member, 368.
 CARPENTER, JOHN EARL.—Elected a Junior, 239.
 CARPENTER, L. G.—Discussion by, 245.
 CARRICK, ROBERT EDWARD.—Elected a Junior, 202.
 CARY, ALBERT A.—Discussion by, 1.
 "Catenary Trolley Construction," presented and discussed, 409.
 CEMENT.—Progress Report of Committee on Uniform Tests of, 42, 62, 87.
 CHAMBERS, HENRY WICK.—Elected an Associate Member, 45.
 CHAPMAN, HARRY DAY.—Elected an Associate Member, 410.
 CHAPPELL, CLAUDE EDWARD.—Elected a Junior, 461.
 CHARLES, LAVERN JOHN.—Elected an Associate Member, 410.
 CHASE, WILLIAM BEVERLY.—Death announced, 461.
 CHENEY, HERBERT NEAL.—Transferred to Grade of Member, 368.
 CHESTER, CHARLES PORTER.—Elected a Junior, 168.
 CHESTER, JOHN N.—On Nominating Committee, 42, 58.
 CHEW, R. S.—Paper by, 132.
 CHIBA, TOSHITOMO.—Elected a Junior, 202.
 CHILD, STEPHEN.—Resolution by, 200; Discussion by, 460.
 CHING, YEN TE.—Elected an Associate Member, 166.
 CHITTENDEN, H. M.—Paper by, 460.
 CHRISTIE, JAMES.—On Library Committee, 49.
 CHRISTIE, WILLIAM WALLACE.—Elected a Member, 238.
 CHURCH, FRED BUSH.—Elected a Member, 238.
 CHURCHILL, CHARLES S.—Elected a Director, 44, 83.
 CLAPP, JOSEPH MALCOLM.—Elected a Member, 460.
 CLARK, THOMAS STEVENS.—Elected a Member, 238.

CLARKE.

CLARKE, ELWYN LORENZO.—Elected an Associate Member, 166.
 CLERMONT, JOHN BAPTISTE.—Transferred to Grade of Member, 412.
 CLEVELAND, LOU BAKER.—Elected a Junior, 369.
 COANE, JOHN MONTGOMERY.—Elected a Member, 460.
 COBB, STEPHEN PRENTIS.—Elected an Associate Member, 133.
 COCHRAN, JEROME.—Elected a Junior, 369.
 COLE, CLINTON LLEWELLYN.—Elected an Associate Member, 201.
 COLE, OSMAN FRED.—Elected an Associate Member, 368.
 COLGAN, ROBERT JOSEPH.—Elected a Junior, 369.
 COLLINGWOOD, F.—Discussion by, 460.
 Collingwood Prize.—No Award of, 42, 52.
 COLLINS, FRANK DAVID.—Elected an Associate Member, 410.
 Colorado Scientific Society.—Invitation from, 292.
 COLVIN, DONALD DEAN.—Elected an Associate Member, 201.
 Committee of Arrangements for Annual Meeting.—Appointment of, 462.
 Committee on Concrete and Reinforced Concrete.—Progress Report of, 42, 62, 90.
 Committee on Engineering Education.—Progress Report of, 43, 63.
 Committee on Finance.—Appointment of, 49.
 Committee on Library.—Appointment of, 49.
 Committee on Nominations.—Election of, 42, 54; Presents List of Nominees, 414.
 Committee on Proposed Amendments to the Constitution.—Report of, 241, 267; Appointment of, To Report on, 462.
 Committee on Publications.—Appointment of, 49.
 Committee on Rail Sections.—Progress Report of, 42, 61, 85.
 Committee on Steel Columns and Struts.—Motion Relative to Appointment of, 132; Report of Board of Direction on Appointment of, 244, 290; Report of Tellers Appointed to Canvass Ballot on Appointment of, 368; Appointment of, 462.

COMMITTEE.

Committee on the Status of the Metric System in the United States.—Report of, 415.

Committee on Underground Piping in City Streets.—Report of Board of Direction Relative to, 42, 48, 52.

Committee on Uniform Tests of Cement.—Progress Report of, 42, 62, 87.

Committee to Recommend the Award of Prizes.—Members of, 48, 52; Report of, 42, 48, 52; Appointment of, 371.

Committees of Arrangements for Annual Convention. — Appointment of, 48.

COMPTON, CHARLES SUMNER.—Elected a Member, 238.

COMSTOCK, CYRUS BALLOU.—Resignation accepted, 50.

Concrete and Reinforced Concrete.—Progress Report of Committee on, 42, 62, 90.

Conference on the Conservation of Natural Resources.—Resolution Relative to the, 200.

Connecticut River Bridge and Highway District.—Invitation from the Commissioners of, 408.

CONNOR, SAMUEL POWERS.—Transferred to Grade of Member, 3.

Constitution, Proposed Amendments to.—Text of, 43, 65, 242, 243, 269, 285, 288; Discussion on, 43, 66, 242, 271, 285, 289; Report of Committee on, 241, 267; Correspondence Relating to, 242, 270; Tellers Appointed to Canvass Ballot on, 408; Report of Tellers Appointed to Canvass Ballot on, 409, 410; Appointment of Committee to Report on, 462.

CONTRI, SILVIO.—Elected a Member, 240.

COOK, FREDERICK SCOTT.—Elected a Member, 238.

COOKE, GEORGE RICHARDSON.—Elected an Associate Member, 239.

COOMBS, ROBERT DUNCAN.—Transferred to Grade of Member, 3; Paper by, 45; Discussion by, 45, 409.

COOMER, ROSS MILLER.—Elected an Associate Member, 460.

COOPER, DAVID REGINALD.—Elected an Associate Member, 241.

COOPER.

COOPER, FRANK WESLEY.—Resignation accepted, 49.

COOPER, KENNETH FARRA.—Elected an Associate Member, 2.

COPE, ERLE LONG.—Elected a Junior, 4.

CORTRIGHT, EDWIN KEEN.—Elected a Junior, 46.

COTHER, ALBERT ADIEL.—Elected an Associate Member, 166.

COUCHOT, MAURICE CHARLES. — Transferred to Grade of Member, 239.

COULSON, BENJAMIN LEFEVRE.—Elected an Associate Member, 201.

COULTER, WALDO SCARLETTE.—Elected an Associate Member, 201.

COWAN, HERBERT WHEELER.—Elected a Member, 238.

COWLES, LUZERNE S.—Correspondence by, 131.

COX, LEONARD M.—Awarded the Norman Medal, 42, 49, 52.

CRAIN, ARTHUR MANCHESTER.—Transferred to Grade of Associate Member, 497.

CRANE, JOSEPH SPENCER.—Elected an Associate Member, 460.

CRAWFORD, JOSEPH EMMANUEL.—Elected a Member, 238.

CREELMAN, CHARLES LAUDER.—Elected an Associate Member, 133.

CRESSON, BENJAMIN FRANKLIN, JR.—Transferred to Grade of Member, 3.

CRESSWELL, H. A.—Resignation accepted, 371.

CRISP, ERNEST JOHN.—Elected an Associate Member, 166.

CROCKER, H. S.—On Nominating Committee, 42, 61.

CROOK, JOHN ANTHONY. — Transferred to Grade of Associate Member, 497.

CROSWELL, THOMAS HENRY.—Elected a Member, 410.

CROWELL, J. FOSTER.—Discussion by, 1.

Cuba: Engineering Construction Work and the General Characteristics of the Island.—Lecture on, 238.

CUNNINGHAM, A. O.—On Nominating Committee, 42, 59.

Current Engineering Literature, 24, 115, 150, 185, 223, 332, 388, 447, 480, 512.

CURTIS.

CURTIS, JAMES PORTER.—Elected an Associate, 239.
 CUTSHAW, WILFRED EMOBY.—Death announced, 4.
 DANA, RICHARD TURNER.—Transferred to Grade of Member, 3.
 DANIELS, MARK ROY.—Elected an Associate Member, 460.
 DANN, ALEXANDER WILLIAM.—Elected a Junior, 46.
 DARROW, MARIUS SCHOONMAKER.—Transferred to Grade of Associate Member, 497.
 DAUGHERTY, HENRY MICHAEL.—Elected an Associate Member, 201.
 DAVIDSON, FRANK EUGENE.—Elected a Member, 460.
 DAVIS, A. P.—Discussion by, 245.
 DAVIS, CARLETON EMERSON.—Transferred to Grade of Member, 133.
 DAVIS, FRED. CARNOT.—Elected an Associate Member, 411.
 DAVIS, GEORGE WALKER.—Elected a Junior, 46.
 DAVIS, GILBERT LOUIS.—Elected an Associate Member, 133.
 DAWSON, EDWIN FORD.—Elected a Member, 132.
 DEAN, STANLEY.—Elected an Associate Member, 166.
 DEHAAS, ADOLPH.—Death announced, 47.
 DE LA MATER, STEPHEN TRUESDELL.—Elected an Associated Member, 460.
 DERLETH, CHARLES, JR.—Transferred to Grade of Member, 202.
 DIMON, DANIEL YOUNG.—Transferred to Grade of Member, 167.
 DOBSON, ABNA.—Elected a Member, 200.
 DODGE, JAMES LYNN.—Elected a Member, 240.
 DONHAM, BENJAMIN CURTIS.—Transferred to Grade of Member, 167.
 DOS SANTOS, JOSÉ AMÉRICO.—Elected a Member, 410.
 DOYLE, HENRY SISSON.—Elected an Associate Member, 2.
 DROWNE, HENRY BERNARDIN.—Elected an Associate Member, 133.
 DUBOIS, GUSTAVO ADOLFO.—Elected a Junior, 369.
 DUN, JAMES.—Death announced, 134.
 DUNCAN, LINDSAY.—Transferred to Grade of Member, 461.

DUTTON.

DUTTON, CHARLES HENRY.—Elected an Associate Member, 2.
 EAMES, HORACE LOVELL.—Elected a Junior, 202.
 EARL, AUSTIN WILLMOTT.—Elected a Junior, 496.
 EARLEY, JOHN EDWIN.—Death announced, 4.
 EASTON, RUSSELL BURNS.—Elected a Junior, 134.
 "Effect of Earthquake Shock on High Buildings," presented and discussed, 132.
 EDWARDS, CHARLES MILTON.—Elected an Associate Member, 368.
 EDWARDS, NATHANIEL MARSH.—Death announced, 413.
 ELBURY, THOMAS GEORGE.—Elected an Associate Member, 201.
 ELLIOTT, MALCOLM.—Elected a Junior, 46.
 ELLIS, GUERNSEY WILLIAM.—Elected an Associate Member, 460.
 ELLIS, JOHN W.—On Committee on Proposed Amendment to the Constitution, 462.
 ELLSWORTH, LINCOLN.—Elected a Junior, 369.
 ELY, JOHN ANDREWS, JR.—Elected an Associate Member, 2.
 EMERSON, GEORGE DANA.—Elected an Associate Member, 239.
 EMMONS, CHARLES M.—Correspondence by, 131.
 ENDICOTT, MORDECAI T.—Elected Vice-President, 44, 83; On Finance Committee, 49.
 Engineering Education.—Progress Report of Committee on, 43, 63.
 ENGLE, CHARLES ALGERNON.—Elected a Junior, 202.
 ENGLISH, CHARLES CLEMENT.—Elected a Junior, 4.
 ENSIGN, GUERT WILLIAM.—Elected an Associate Member, 460.
 "Erection of Bellows Falls Arch Bridge," presented and discussed, 166.
 ESSELSTYN, HORACE HOVEY.—Elected a Member, 238.
 ESTABROOK, GEORGE MITCHELL.—Elected a Junior, 46.
 EVANS, GEORGE EDWIN.—Death announced, 240.
 EWING, WILLIAM WALLACE.—Elected a Member, 410.

FAIRCHILD.

- FAIRCHILD, SAMUEL EDWARDS, JR.—Transferred to Grade of Member, 412.
- FALK, MYRON S.—Discussion by, 2.
- FARGO, WILLIAM GILBERT.—Elected a Member, 166.
- FARNHAM, IRVING TUPPER.—Death announced, 413.
- FEIGEL, JOHN HENRY.—Elected a Junior, 412.
- FELLOWS, A. L.—Discussion by, 245.
- FELTHAM, PERCY MARSHALL.—Elected a Member, 240.
- FENKELL, NEAL CHARLES.—Elected an Associate Member, 496.
- FENN, ROBERT WILLSON.—Transferred to Grade of Member, 369.
- FENSTERMAKER, DEWITT CLINTON.—Elected an Associate Member, 2.
- FERGUSON, JOHN NEIL.—Transferred to Grade of Member, 202.
- FERNALD, CLARENCE THAYER.—Elected a Member, 410.
- FERNOW, ROSSITER RAYMOND.—Resignation accepted, 498.
- FERRIER, JOSEPH JAMES.—Elected a Junior, 46.
- FETHERSTON, J. T.—Paper by, 1.
- FICKES, C. R.—Correspondence by, 407.
- FIELD, JOHN ELLIS.—Elected a Member, 240.
- Finance Committee.—Appointment of, 49.
- FINKLE, F. C.—Discussion by, 245.
- FISH, JOHN CHARLES LOUNSBURY.—Transferred to Grade of Member, 412.
- FISHER, EDWIN A.—Correspondence by, 1.
- FLEMING, HARVEY BROWN.—Elected a Member, 132.
- FOLLANSBEE, ROBERT.—Elected an Associate Member, 411.
- FOLLETT, W. W.—Address by, 244; Discussion by, 245.
- FORCE, C. G.—Discussion by, 131.
- FORD, HOWARD CARLTON.—Elected a Junior, 369.
- FORD, WILLIAM HAYDEN.—Transferred to Grade of Member, 369.
- Forestry Division, United States Department of Agriculture.—Letter from, 368, 372.
- "Forests and Reservoirs in Their Relation to Stream Flow with Particular Reference to Navigable

FOSS.

- Rivers," presented and discussed, 460.
- FOSS, WILLIAM EVERETT.—Elected a Member, 132.
- "Foundations for the New Singer Building, New York City," presented and discussed, 495.
- FRANCIS, GEORGE B.—Discussion by, 165, 200, 407.
- FRASER, CHARLES EDWARD.—Transferred to Grade of Member, 239.
- FRAZER, JOSEPH HECKART.—Elected a Junior, 412.
- FREEMAN, ARTHUR CLARICO, JR.—Elected an Associate Member, 241.
- FRENCH, ALEXIS H.—On Nominating Committee, 42, 56.
- FRENCH, CHARLES RAUCH.—Elected an Associate Member, 411.
- FRENCH, FRANK CHAUNCEY.—Transferred to Grade of Member, 46.
- FUCIK, E. JAMES.—Discussion by, 200.
- FULWEILER, ROBERT MICHAEL.—Elected an Associate Member, 411.
- GAIGER, FRANK MILLARD.—Elected a Junior, 4.
- GALLAGHER, JOSEPH.—Elected a Junior, 240.
- GARDINER, FREDERICK WILLIAM.—Transferred to Grade of Member, 461.
- GARDNER, WILLIAM M.—Nominated as Director, 414.
- GARMAN, HARRY OTTO.—Elected an Associate Member, 411.
- GATES, MARSHALL DEMOTTE.—Elected a Junior, 168.
- GAYLORD, LAURENCE TIMMERMAN.—Elected an Associate Member, 460.
- GEARHART, WALTER SCOTT.—Elected an Associate Member, 239.
- GENTNER, OTTO HENRY, JR.—Elected an Associate Member, 460.
- GIBBS, CHARLES WINGATE.—Resignation accepted, 49.
- GIBBS, GEORGE.—On Finance Committee, 49; Discussion by, 165.
- GIBSON, WILLIAM LOANE.—Elected an Associate Member, 201.
- GILBERT, GEORGE HERBERT.—Elected an Associate Member, 239.
- GILES, JAMES MARVIN.—Elected an Associate Member, 368.

GILMAN.

GILMAN, JAMES BEATTY.—Elected a Member, 410.
 GIQUEL, RAFAEL SANCHEZ.—Elected a Junior, 46.
 GODDARD, LESLIE WARREN.—Transferred to Grade of Member, 412.
 GOODRICH, E. P.—Discussion by, 2, 367.
 GOODSSELL, DANIEL BERTHOLF.—Elected an Associate Member, 201.
 GOODWIN, GEORGE ESTYN.—Elected an Associate Member, 2.
 GOTWALS, JOHN CARL.—Elected a Junior, 202.
 GOUGH, WILLIAM JOSEPH.—Elected an Associate Member, 133.
 GOVERN, EDWARD JAMES.—Elected a Member, 2.
 GOWEN, CHARLES S.—Paper by, 237; Discussion by, 237.
 GRAM, RALPH SAMUEL.—Elected a Junior, 134.
 GRAY, WALTER THOMAS.—Elected an Associate Member, 411.
 GRAY, WILLIAM DAVID.—Elected an Associate Member, 411.
 GREATHEAD, JOHN FRANCIS.—Elected a Junior, 134.
 GREEN, CLARENCE JASPER.—Elected a Junior, 369.
 GREEN, HOWARD BURKHARDT.—Elected an Associate, 133.
 GREEN, JAMES ARLEIGH.—Elected an Associate Member, 3.
 GREEN, SAMUEL MARTIN.—Elected a Member, 240.
 GREENE, LLOYD WOOLSEY.—Elected a Junior, 412.
 GREENE, ROBERT MAXSON.—Transferred to Grade of Member, 369.
 GRIFFIN, WILLIAM REID WESLEY.—Elected a Member, 45.
 GRIMM, HENRY ENGLAND.—Elected an Associate Member, 460.
 GROSS, CHARLES AARON.—Elected a Junior, 369.
 GROSS, CHARLES FREDERICK.—Elected an Associate Member, 368.
 GROSS, JOHN WATSON.—Elected a Junior, 369.
 HAAS, PHILIP LIPPMAN.—Elected an Associate Member, 201.
 HADWEN, THEODORE LOVEL DONNER.—Elected an Associate Member, 411.

HAGGART.

HAGGART, CECIL NEIL.—Elected an Associate Member, 201.
 HALL, WARREN ESTERLY.—Elected a Junior, 4.
 HALSEY, WALLACE HAYNES.—Elected a Junior, 46.
 HAMILTON, FARRAR PETRIE.—Elected an Associate Member, 239.
 HANCOCK, ROBERT RIVES.—Elected a Member, 496.
 HANSEN, PAUL.—Elected an Associate Member, 166.
 HARBECK, HENRY RUSSELL.—Elected an Associate Member, 239.
 HARDESTY, SHORTBRIDGE.—Elected a Junior, 369.
 HARDING, ROBERT JOHN.—Elected an Associate Member, 460.
 HARDMAN, ROY CORDIS.—Elected an Associate Member, 411.
 HARPER, JOHN BRADFORD.—Death announced, 199.
 HARPER, SINCLAIR OLLASON.—Elected a Junior, 168.
 HARRINGTON, FRANCIS BURCHARD.—Elected an Associate Member, 45.
 HARRISON, CHARLES L.—Elected a Director, 44, 83; On Publication Committee, 49.
 HART, REUBEN CHARLES.—Elected an Associate Member, 368.
 HARTE, C. R.—Discussion by, 45, 409.
 HARTIGAN, FREDERICK LAWRENCE.—Transferred to Grade of Member, 167.
 HARTWELL, HERBERT CLIFFORD.—Elected a Member, 410.
 HARWOOD, G. A.—Correspondence by, 165.
 HASKELL, FRANK HAMPTON.—Elected an Associate Member, 3.
 HATHAWAY, CLIFFORD MURRAY.—Elected a Junior, 369.
 HAVENS, VERNE LEROY.—Elected an Associate Member, 166.
 HAWKESWORTH, JOHN.—Elected an Associate Member, 460.
 HAWKINS, E. N.—Paper by, 244.
 HAWKINS, IRVING.—Elected an Associate Member, 201.
 HAYCROFT, JAMES ISAAC.—Death announced, 370.
 HAYDEN, JOHN BRUCE.—Transferred to Grade of Member, 202.
 HAYES, FERDINAND EUGENE, JR.—Elected a Junior, 133.

HAYNES.

HAYNES, GEORGE ALBERT.—Elected an Associate Member, 368.
 HAZEN, ALLEN.—Presides at Meeting, 2, 407; On Finance Committee, 49; Discussion by, 496.
 HAZLEHURST, J. N.—Correspondence by, 496.
 HEALY, JOHN ROBERT.—Elected an Associate, 3.
 HEER, WILLIAM, JR.—Elected a Junior, 46.
 HEGARDT, GUSTAVE BERNARD.—Elected a Member, 410.
 HEIGES, THOMAS TYRRELL.—Elected an Associate Member, 45.
 HELM, EDWIN GUY.—Resignation accepted, 49.
 HEMPHILL, WILLIAM LIND.—Elected a Junior, 46.
 HENDERSON, G. R.—Discussion by, 165.
 HENGST, ROBERT GRAHAM.—Transferred to Grade of Member, 202.
 HENRY, PHILIP WALTER.—Transferred to Grade of Member, 461.
 HERING, RUDOLPH.—Discussion by, 367.
 HERMANY, CHARLES.—Death announced, 46.
 HERSCHEL, CLEMENS, and Others.—Amendment to Constitution Proposed by, 243, 285.
 HERSEY, GUY ALFRED.—Paper by, 200; Elected an Associate Member, 411.
 HESSE, FRED.—Elected a Member, 238.
 HEWINS, GEORGE SANFORD.—Elected a Member, 410.
 HIDER, ARTHUR.—On Nominating Committee, 42, 60.
 HIGGINS, CHARLES HOUGHIN.—Elected an Associate Member, 166.
 HILDENBRAND, WILHELM.—Death announced, 134.
 HILL, JOHN EDWARD.—Transferred to Grade of Member, 167.
 HILLMAN, GEORGE WALDO.—Elected an Associate Member, 166.
 HINES, HOMER ESTLE.—Elected a Junior, 240.
 HIROI, ISAMI.—Elected a Member, 496.
 HODGDON, F. W.—On Library Committee, 49.
 HOFFMAN, WILLIAM OTTO.—Elected an Associate Member, 3.

HOISINGTON.

HOISINGTON, HENRY MARTYN.—Elected a Junior, 202.
 HOLBROOK, FRANK DUDLEY.—Transferred to Grade of Member, 3.
 HOLBROOK, HENRY RANDOLPH.—Death announced, 4.
 HOLBROOK, WINFIELD.—Elected a Junior, 239.
 HOLDEN, EDWARD HENRY.—Elected a Member, 201.
 HOLMES, FRANK.—Elected an Associate Member, 496.
 HOLTSMARK, ERLING.—Elected an Associate Member, 166.
 HONE, FREDERIC DE PEYSTER.—Transferred to Grade of Member, 202.
 HONNESS, GEORGE G.—Discussion by, 237.
 HORAN, JOHN JOSEPH.—Elected an Associate Member, 411.
 HORNSBY, ROBERT WRIGHT.—Elected a Member, 460.
 HORNER, WESLEY WINANS.—Elected a Junior, 369.
 HORTON, DWIGHT FRED.—Elected an Associate Member, 45.
 HORTON, HORACE E.—Correspondence by, 131.
 HORTON, JOHN WILLIAM.—Elected a Junior, 369.
 HORTON, SANDFORD.—Resignation accepted, 50.
 HOUSTON, G. N.—Discussion by, 244.
 HOWARD, LEWIS THOMAS.—Elected an Associate Member, 239.
 HOWE, JOSEPH MILTON.—Transferred to Grade of Member, 3.
 HUGHES, HAROLD LINCOLN.—Elected an Associate, 167.
 HUNSIKER, MILLARD.—Resignation accepted, 371.
 HUNT, CHARLES WARREN.—On Committee of Arrangements for Annual Convention, 48; Elected Secretary, 49; On Library Committee, 49; On Committee of Arrangements for Annual Meeting, 462.
 HUNTER, JOHN BURNAP.—Elected a Member, 238.
 HUNTING, EUGENE NATHAN.—Elected an Associate Member, 166.
 HUSSEY, ERNEST BERTRAND.—Elected a Member, 240.
 ICHINOSE, KYOJIRO.—Elected an Associate Member, 3.

INTERNATIONAL.

International Road Congress.—Appointment of Delegate to, 246.
 IRISH, LELAND WESLEY.—Elected a Junior, 168.
 "Irrigation," Informal Discussion on, 244.
 "Irrigation Work in the Imperial Valley, Brownsville Country and the Rio Grande Project," Address on, 244.
 JACKSON, THOMAS HERBERT.—Elected a Member, 132.
 JACOBOSKY, GILBERT GARFIELD.—Elected a Junior, 4.
 JANES, GEORGE P.—Appointed Teller to Canvas Ballot for Officers, 41, 51.
 JARRETT, E. S.—Discussion by, 495.
 JAYCOX, THOMAS W.—On Local Committee of Arrangements for Annual Convention, 48; Presides at Meeting, 241, 247.
 JOHANNSEN, OSKAR AUGUSTUS.—Resignation accepted, 49.
 JOHNSON, ARTHUR AUGUSTINE.—Elected an Associate, 368.
 JOHNSON, DAVID CLAYTON.—Elected a Junior, 369.
 JOHNSTON, ANDREW CRAWFORD.—Elected a Junior, 369.
 JONES, ALAN HERBERT.—Elected a Junior, 497.
 JONES, GEORGE MORTON.—Elected a Junior, 46.
 JONES, GRANDVILLE REYNARD.—Elected a Junior, 4.
 JONSON, ERNST F.—Discussion by, 131.
 JOUINE, GEORGES PIERRE FERDINAND.—Elected a Junior, 412.
 KATTE, E. B.—Discussion by, 165.
 KEEFER, CHARLES HENRY.—Elected a Member, 410.
 KEENE, WILLIAM FAITOUTE.—Resignation accepted, 49.
 KELLERSBERGER, ARNOLD CHARLES.—Elected a Junior, 412.
 KELLEY, JAMES AUGUSTUS.—Transferred to Grade of Member, 133.
 KEMP, JOHN EDWARD.—Elected an Associate Member, 166.
 KENNEDY, THOMAS PATRICK BERCHMANS.—Elected a Junior, 202.
 KERR, HALBERT STEVENS.—Elected a Member, 45.

KETCHUM.

KETCHUM, MILO SMITH.—Transferred to Grade of Member, 133.
 KIEHM, CHARLES.—Elected an Associate Member, 3.
 KILKENNEY, TOBIAS DILLON.—Elected a Junior, 412.
 KINGSLEY, GEORGE.—Elected a Junior, 240.
 KIRKWOOD, HOWARD CAMBERNE.—Elected a Junior, 46.
 KITTREDGE, GEORGE W.—Elected a Director, 44, 83; On Library Committee, 49.
 KLEINSCHMIDT, HENRY SCHWING.—Transferred to Grade of Associate Member, 497.
 KLINCK, JOHN HENRY.—Elected a Member, 238.
 KNAP, JOSEPH M.—Elected Treasurer, 44, 83; Nominated as Treasurer, 414.
 KNIGHT, WALTER JOSEPH.—Elected a Junior, 369.
 KNOWLTON, THEODORE ELY.—Transferred to Grade of Member, 369.
 KOENIG, LOUIS.—Elected a Junior, 4.
 KOON, RAY EMERSON.—Elected an Associate Member, 411.
 KORNFELD, ALFRED EPHRAIM.—Elected an Associate, 411.
 KREINER, HARRY PETER.—Elected an Associate Member, 3.
 KRIEGSMAN, EUGEN FREDERICK.—Elected a Junior, 240.
 LAHMER, JOHN ALOYSIUS.—Elected a Member, 238.
 LAKE, ORLOFF.—Elected a Junior, 497.
 LALLY, JOHN MICHAEL.—Elected an Associate, 368.
 LAMB, WILLIAM ALFRED.—Elected a Junior, 4.
 LANDERS, CHARLES SCOTT.—Elected an Associate Member, 166.
 LANGE, THEODORE FERDINAND.—Elected an Associate Member, 45.
 LANSING, EDWARD TEN EYCK.—Resignation accepted, 49.
 LARRISON, GEORGE KIRKPATRICK.—Elected an Associate Member, 241.
 LARSON, CLARENCE MELROSE.—Elected an Associate Member, 411.
 LAWRENCE, CHARLES WALTER.—Elected an Associate Member, 3.
 LEA, ALLAN BENJAMIN.—Elected a Member, 132.

LEA.

MACDONALD.

- LEA, RICHARD SMITH.—Elected a Member, 240.
- LEA, SUMTER, JR.—Elected a Member, 132.
- LEASK, H. NORMAN.—Discussion by, 1.
- LE BARON, J. FRANCIS.—Discussion by, 460.
- LE CONTE, L. J.—Discussion by, 460.
- LEEFE, FREDERICK EWBANK.—Elected an Associate Member, 201.
- LEIGHTON, M. O.—Discussion by, 460.
- LEONARD, HENRY R.—On Committee on Proposed Amendment to the Constitution, 462.
- LEONARD, JAMES AUGUSTUS.—Elected a Member, 166.
- LEWIS, NELSON P.—Discussion by, 165, 244.
- Library.—Accessions to, 17, 105, 141, 174, 208, 305, 377, 435, 467, 504.
- Library Committee.—Appointment of, 49.
- LINDHÉ, JOHN BIRGER.—Elected an Associate Member, 460.
- LINDSLEY, HENRY A.—Address by, 241, 249.
- LISMAN, OLIVER CROMWELL.—Elected a Junior, 4.
- Local Associations of Members of the American Society of Civil Engineers.—Abstract of Minutes of Meetings of, 140, 207, 304.
- LONG, JOHN COLEMAN.—Elected an Associate Member, 3.
- LOUGHRAN, JAMES FRANCIS.—Elected a Junior, 46.
- LOUWERSE, PETER MARTIN.—Elected an Associate Member, 166.
- LOWRY, JOHN, JR.—Elected a Junior, 46.
- LOWTHER, BURTON.—Elected an Associate Member, 411.
- LUNDGREN, EMIL LEONARD.—Elected a Junior, 46.
- LUNDOFF, CLEMENS WALDEMAR.—Elected an Associate Member, 239.
- LUSH, CUYLER WARFIELD.—Elected a Junior, 46.
- LYFORD, OLIVER SMITH, JR.—Elected a Member, 201; Paper by, 409.
- LYNDE, CLIFFORD.—Elected a Junior, 497.
- LYNN, HENRY HUDSON EDWIN.—Elected a Junior, 202.
- MACDONALD, CHARLES.—Elected President, 44, 83; Address by, 44, 83, 241, 251; Presides at Meeting, 44, 131, 132, 165, 166, 237, 238, 241, 244, 264, 367, 460, 495; Discussion by, 166, 237.
- MACNAUGHTON, ERNEST BOYD.—Elected an Associate Member, 411.
- MCBEE, VARDRY ECHOLS, JR.—Elected an Associate Member, 411.
- McCANDLISS, WALLACE HIGHLAND.—Elected a Junior, 4.
- McCLELLAND, CLAUDE LESLIE.—Elected an Associate Member, 411.
- McCORMICK, HERBERT GRANVILLE.—Elected an Associate Member, 167.
- McCORNACK, CLYDE WEBSTER.—Transferred to Grade of Associate Member, 497.
- McCROBY, THOMAS GEORGE.—Elected a Junior, 497.
- McGONIGLE, CHARLES JOSEPH.—Elected an Associate Member, 201.
- McILVAINE, FRANCIS SHIPPEN.—Elected a Junior, 134.
- McINNES, FRANK ALEXANDER.—Elected a Member, 2.
- McKENZIE, T. H.—Discussion by, 496.
- McKINNEY, FRANCIS WILLIAM.—Elected a Junior, 202.
- McKINSTRY, CHARLES H.—On Committee to Recommend the Award of Prizes, 371.
- McLURE, NORMAN ROOSEVELT.—Elected an Associate Member, 460.
- McMORROW, JAMES WALTER.—Elected an Associate Member, 411.
- McNAB, WILLIAM.—Elected a Member, 496.
- McNAUGHER, DAVID WHITE.—Elected a Member, 238.
- McNEIL, NORMAN CHARLES.—Elected a Junior, 497.
- MADIGAN, FRANCIS WILLIAM.—Elected a Junior, 412.
- MAIGNEN, J. P. A.—Discussion by, 245.
- MAIR, JOHN WILLIAM.—Elected an Associate Member, 167.
- MALCOMSON, ALFRED SIDNEY.—Elected a Junior, 133.

MALONEY.

- MALONEY, JAMES EDWARD.—Elected a Member, 410.
- MALTBY, F. B.—Discussion by, 460.
- MANN, JOHN LAROE.—Transferred to Grade of Associate Member, 369.
- MANNING, WILLIAM THURSTON.—Resignation accepted, 413.
- MANSFIELD, MARTIN WILLIAM.—Death announced, 413.
- MARSHALL, ROBERT ALBERTSEN.—Elected a Member, 166, 407.
- MARSHALL, THOMAS WORTH.—Elected an Associate Member, 239.
- MARTIN, WALTER IRVING.—Elected an Associate Member, 167.
- MARTINEZ, ROLANDO ARNOLDO.—Elected a Junior, 497.
- MARTINEZ Y REUGIFO, CONRADO EUGENIO.—Elected an Associate Member, 411.
- MASON, GEORGE COTNER.—Transferred to Grade of Member, 369.
- MASON, SAMUEL JEFFERSON.—Elected an Associate Member, 3.
- MATSON, JESSE SIDWELL.—Elected an Associate Member, 241.
- MAXIMOFF, SERGIUS PAVLOVITCH.—Transferred to Grade of Member, 369.
- MAYER, JOSEPH.—Paper by, 45; Discussion by, 45.
- MEEM, J. C.—Experiments Illustrating Arching Effect of Wheat, Sand, etc., Shown by, 2; Discussion by, 199.
- MEES, CURTIS ADOLPH.—Transferred to Grade of Member, 461.
- Membership.—Additions, 21, 110, 144, 179, 213, 317, 383, 439, 472, 509; Changes of Address, 146, 181, 216, 322, 384, 441, 475; Resignations, 22, 114, 149, 387, 446; Deaths, 23, 114, 149, 184, 222, 331, 387, 446, 479, 511.
- MENOCAL, ANICETO G.—Death announced, 370.
- MERRIMAN, MANSFIELD.—Presides at Meeting, 459.
- MERRIMAN, THADDEUS.—Elected an Associate Member, 167; Discussion by, 237.
- MERYWEATHER, HENRY FRANCIS.—Elected a Member, 166.
- METCALF, LEONARD.—Paper by, 496.
- Metric System.—Report of the Committee on the Status of, 415.

MEYER.

- MEYER, THOMAS C.—Death announced, 199.
- MICHELL, THEOPHILUS.—Resignation accepted, 413.
- MILLER, CROSBY.—Elected a Junior, 4.
- MILLER, MAX MERRILL.—Elected an Associate Member, 411.
- MILLER, R. P.—Discussion by, 2.
- MILLER, SAMUEL FISCHER.—Resignation accepted, 49.
- MILLS, JOHN CHARLES.—Resignation accepted, 49.
- MINER, EDWARD FULLER.—Elected a Member, 238.
- "Mining of Metals," presented, 244.
- MINOR, EDWARD EASTMAN.—Elected a Member, 132.
- Minutes of Meetings of the Board of Direction, 48, 49, 50, 135, 169, 203, 246, 371, 413, 462, 498.
- Minutes of Meetings of the Society, 1, 2, 41, 44, 51, 131, 132, 165, 166, 199, 200, 237, 238, 241, 244, 247, 264, 367, 407, 408, 459, 460, 495.
- MITCHELL, STEPHEN ARNOLD.—Death announced, 240.
- MOGENSEN, O. E.—Appointed Teller to Canvass Ballot on Amendments to Constitution, 408.
- MONROE, WILL KLAHR.—Elected a Member, 410.
- Monthly List of Recent Engineering Articles of Interest, 24, 115, 150, 185, 223, 332, 388, 447, 480, 512.
- MOODY, JOSEPH ELBERT.—Elected an Associate Member, 411.
- MOORE, LEWIS EUGENE.—Elected an Associate, 167.
- MOORE, ROBERT.—Correspondence Relating to Proposed Amendments to Constitution, 242, 270.
- MORAN, ROBERT BRECK.—Elected a Junior, 461.
- MORE, CHARLES CHURCH.—Transferred to Grade of Associate Member, 167.
- MORITZ, ERNEST ANTHONY.—Elected a Junior, 461.
- MORRILL, WILBUR NATHANIEL.—Elected an Associate Member, 3.
- MORRIS, WILLIAM CULLEN.—Elected a Member, 410.
- MORRISON, JAMES LUTHER.—Elected an Associate Member, 461.
- MUHS, FREDERICK ROSS.—Elected a Member, 410.
- MÜLLER, EJNAR JÖNSBERG.—Elected a Member, 2.

MUNICIPAL.

"Municipal Refuse Disposal: An Investigation," presented and discussed, 1.

MURPHY, EDWARD CHARLES.—Transferred to Grade of Member, 167.

MURRAY, SAMUEL.—Elected an Associate Member, 3.

MURRAY, W. S.—Discussion by, 165.

Natural Resources.—Resolution Relative to the Conservation of, 200; Letter Relating to the Conservation of, 259; Declaration of the Governors on the Conservation of, 262.

NEELD, CHARLES MARSHALL.—Elected a Member, 410.

NELSON, ARTHUR THOMAS.—Elected an Associate Member, 3.

NEWELL, F. H.—Address by, 244, 245.

NEWHALL, WILLIAM BARRETT.—Elected an Associate Member, 411.

NEWTON, GEORGE CHENEY.—Elected a Junior, 46.

NICHOLS, OTHNIEL FOSTER.—Death announced, 47.

NICOLAYSON, ALBIN GEORG.—Elected a Junior, 497.

NIKOLITCH, MILAN.—Elected a Junior, 370.

Nominations, Committee on.—Election of, 42, 54; Presents List of Nominees, 414.

Norman Medal.—Award of, 42, 49, 52.

NORTH, EDWARD P.—Discussion by, 367, 460.

NORTHROP, HERBERT FRANKLIN.—Death announced, 47.

NORTON, HOMER BURDETT.—Elected a Member, 238.

"Notes Upon Docks and Harbors," presented and discussed, 367.

OCKERSON, J. A.—On Finance Committee, 49.

O'CONNOR, JOHN ADAM.—Elected an Associate Member, 167.

O'HEARN, JOHN LYNCH.—Elected an Associate Member, 461.

OTTOSEN, PETER HILL.—Elected a Junior, 412.

"Overhead Construction for High-Tension Electric Traction or Transmission," presented and discussed, 45.

OWEN.

OWEN, JAMES.—Presides at Meeting, 200; Discussion by, 200, 244.

OWENS, JAMES MICHAEL.—Elected an Associate Member, 3.

PALMER, JOHN GEARY.—Elected a Member, 410.

Papers.—Rules for the Presentation of, 50, 101.

PARK, JAMES CALDWELL.—Elected an Associate Member, 239.

PARKER, JOHN CASTLEREAGH.—Elected an Associate Member, 201; Discussion by, 459.

PARKER, KINGSBURY EASTMAN.—Elected a Junior, 202.

PARKER, WILLIAM POOL.—Transferred to Grade of Member, 369.

PATCH, HOMER AUSTIN.—Elected an Associate Member, 3.

PATCH, WALTER WOODBURY.—Transferred to Grade of Member, 3.

PATTERSON, ROBERT YOUNGMAN.—Elected an Associate Member, 3.

PAUL, CHARLES HOWARD.—Transferred to Grade of Member, 369.

PAYNE, EDWIN VAN RENSSELAER.—Elected a Member, 201.

PAYNE, JAMES HENRY.—Elected an Associate Member, 45.

PAYROW, HARRY GORDON.—Elected a Junior, 369.

PEARL, WALTER.—Elected a Member, 238.

PEARSE, LANGDON.—Elected an Associate Member, 411.

PEARSON, WILLIAM ANSON, JR.—Death announced, 240.

PECK, JOHN CALVIN.—Elected a Junior, 370.

PEGRAM, GEORGE H.—Discussion by, 200; Nominated as Vice-President, 414; On Committee on Proposed Amendment to the Constitution, 462.

PEMOFF, JOEL JUK.—Transferred to Grade of Member, 461.

PENDERGRASS, ROBERT ALLEN.—Elected an Associate Member, 239.

PERRINE, FREDERIC AUTEN COMBS.—Death announced, 459.

PERRY, LYNN ELWOOD.—Elected a Junior, 370.

PHELPS, EARLE BERNARD.—Elected an Associate, 133.

PIERCE, PAUL LEON.—Elected a Junior, 202.

PINCHOT.

RECENT.

- PINCHOT, GIFFORD.—Discussion by, "Recent Practice in Hydraulic-Fill Dam Construction," awarded the Thomas Fitch Rowland Prize, 42, 460.
- POE, HARRY TINKER, JR.—Elected an Associate Member, 45.
- POE, JOSEPH RALPH.—Elected an Associate Member, 45.
- POORMAN, ALFRED PETER.—Elected an Associate, 411.
- POPERT, WILLIAM HOPF.—Elected an Associate Member, 461.
- PORTER, HARRY FRANKLIN.—Elected a Junior, 4.
- POST, CHESTER LEROY.—Elected an Associate Member, 241.
- POTTER, W. B.—Discussion by, 165.
- PRATT, ARTHUR HENRY.—Elected an Associate Member, 241.
- PRESTON, HARRY LONGYEAR.—Elected an Associate Member, 167.
- PRICE, PHILIP WALLIS.—Elected an Associate Member, 45.
- PRICHARD, HENRY S.—Correspondence by, 131.
- PRIME, ALFRED COXE.—Elected an Associate Member, 461.
- PRINCE, GEORGE T.—On Local Committee of Arrangements for Annual Convention, 48.
- Prizes, Committee to Recommend the Award of.—Members of, 48, 52; Report of, 42, 48, 52; Appointment of, 371.
- Publication Committee. — Appointment of, 49.
- PUGH, DEWITT PAWLING.—Elected a Member, 201.
- PUGH, MARSHALL ROGERS.—Transferred to Grade of Member, 461.
- QUIMBY, H. H.—Discussion by, 166.
- RABLIN, JOHN R.—Discussion by, 244.
- RAFTER, GEORGE W.—Death announced, 4.
- Rail Sections.—Progress Report of Committee on, 42, 61, 85.
- RAMSDALI, ROBERT LEROY.—Elected a Junior, 412.
- RATHBUN, JOHN CHARLES.—Elected a Junior, 461.
- RAY, GEORGE JOSEPH.—Elected a Member, 238.
- "Recent Developments in Pneumatic Foundations for Buildings," presented and discussed, 199.
- REED, CARL SWEETLAND.—Elected a Junior, 168.
- REED, RALPH JOHN.—Elected a Junior, 461.
- REGISTER, HENRY SLICER, JR.—Elected a Junior, 4.
- RENNELL, HENRY HURD.—Elected a Junior, 134.
- Report of Tellers Appointed to Canvass Ballot on Appointment of Committee on Steel Columns and Struts, 368; On Proposed Amendments to the Constitution, 409, 410; On Vote for Officers, 44, 81.
- Report of Board of Direction, 8, 51.
- Report of Board of Direction Relative to Proposed Committee on Underground Piping in City Streets, 42, 48, 52.
- Report of Board of Direction on Appointment of Committee on Steel Columns and Struts, 244, 290.
- Report of Committee Appointed to Recommend the Award of Prizes, 42, 48, 52.
- Report of Committee on Concrete and Reinforced Concrete, 42, 62, 90.
- Report of Committee on Engineering Education, 43, 63.
- Report of Committee on Proposed Amendments to the Constitution, 241, 267.
- Report of Committee on Rail Sections, 42, 61, 85.
- Report of Committee on the Status of the Metric System in the United States, 415.
- Report of Committee on Uniform Tests of Cement, 42, 62, 87.
- Report of Secretary, 14, 51.
- Report of Secretary Relative to Time and Place for Holding 41st Annual Convention, 241, 264.
- Report of Treasurer, 16, 51.
- Resolution of Board of Direction on the Death of Thomas Fitch Rowland, 50.
- Resolution of Board of Direction Relative to the Creation and Preservation of National and State Forest Preserves, 48.
- Resolution Relative to Acknowledgment of Courtesies Shown at Annual Convention, 245.

RESOLUTION.

Resolution Relative to Conference on the Conservation of Natural Resources, 200.

REYNOLDS, LAFAYETTE CLOWE.—Transferred to Grade of Associate Member, 497.

REYNOLDS, ROBERT ALBERT.—Elected a Junior, 240.

RIBLET, BYRON CHRISTIAN.—Elected a Member, 240.

RICH, EDWARD DUNBAR.—Elected a Member, 460.

RICHARDSON, CLIFFORD.—Transferred to Grade of Member, 46; Appointed Delegate to International Road Congress, 246.

RICHARDSON, JEREMIAH DANIELS.—Elected a Junior, 4.

RIGHTS, LEWIS DANIEL.—Discussion by, 131, 166; Motion by, 132; Paper by, 166; Transferred to Grade of Member, 369; Appointed Teller to Canvass Ballot on Amendments to the Constitution, 408.

RIPLEY, BLAIR.—Elected an Associate Member, 167.

RIPLEY, HERBERT LAWRENCE.—Elected a Member, 410.

RIPPEY, SAMUEL HOWARD.—Elected a Member, 201.

RITCHIE, GEORGE ALEXANDER.—Elected a Member, 201.

ROBERTS, EDMUND.—Elected an Associate, 167.

ROBERTS, GEORGE THOMAS.—Transferred to Grade of Member, 133.

ROBERTS, SHELBY SAUFLEY.—Transferred to Grade of Member, 3.

ROBERTS, T. P.—Discussion by, 460.

ROBERTS, WILLIAM.—Death announced, 47.

ROBERTSON, AVALIN GRAVES.—Elected a Junior, 412.

ROBINSON, EDWARD WILLIAM.—Elected an Associate Member, 411.

ROBINSON, ERNEST FRANKLIN.—Elected a Junior, 134.

ROBINSON, REUBEN TOTMAN.—Elected an Associate Member, 133.

ROOSEVELT, THEODORE.—Letter Relating to the Conservation of Natural Resources, 259.

ROUSSEAU, WILLIAM WHITE.—Elected an Associate Member, 496.

ROWE, WILFRED LINCOLN.—Elected a Junior, 168.

ROWLAND.

ROWLAND, THOMAS FITCH.—Death announced, 2; Resolution of the Board of Direction on the Death of, 50.

ROWLAND, WALTER.—Elected an Associate Member, 496.

Rowland Prize.—Award of, 42, 49, 52.

ROWSE, ALBERT OWEN.—Elected a Member, 132.

RUGGLES, W. B.—Discussion by, 367. Rules for the Presentation of Papers, 50, 101.

RUNDLETT, L. W.—On Committee to Recommend the Award of Prizes, 48, 52.

RUSSELL, ALEXANDER ALLEN MACVICAR.—Elected a Junior, 240.

RUSSELL, ALEXANDER STUART.—Elected a Junior, 412.

RYAN, MICHAEL HEALEY.—Elected an Associate Member, 167.

RYAN, RICHARD R.—Elected a Junior, 133.

RYAN, WALTER J.—Elected a Junior, 202.

SADLER, CARL LEON.—Elected an Associate Member, 167.

"Safe Stresses in Steel Columns," presented and discussed, 131.

SAFFORD, HARRY ROBINSON.—Elected a Member, 240.

SAMPLE, WILLIAM DWIGHT.—Elected an Associate Member, 496.

San Francisco Association of Members of the American Society of Civil Engineers.—Abstract of Minutes of Meetings of, 140, 207, 304.

SANGER, WALTER MAX.—Elected a Junior, 202.

SASS, CHARLES WILLIAM.—Elected an Associate, 461.

SAVAGE, SEWARD MERRILL.—Elected an Associate Member, 167.

SAWYER, GEORGE LOYAL.—Elected an Associate Member, 3.

SAX, PERCIVAL M.—On Nominating Committee, 42, 58.

SAXE, VAN RENSSSLAER POWELL.—Elected a Junior, 133.

SAYLES, ROBERT WILSON.—Transferred to Grade of Member, 202.

SCHERMERHORN, LOUIS YOUNGLOVE.—Death announced, 200.

SCHLICKEISEN, ALBERT AUGUST.—Elected a Junior, 4.

SCHOFIELD.

- SCHOFIELD, MARK WILLIAM.—Death announced, 497.
- SCHUYLER, JAMES D.—Awarded the Thomas Fitch Rowland Prize, 42, 49, 52.
- SCHUYLER, MONTGOMERY.—Elected a Junior, 370.
- SCORGIE, JAMES CRUICKSHANK.—Elected a Member, 460.
- SCOTT, GUY.—Elected an Associate Member, 45.
- SCOTT, WILLIAM FRY.—Elected an Associate Member, 411.
- SCRIMSHAW, JAMES FREDERICK.—Elected an Associate Member, 3.
- SEABURY, ARTHUR GRAY.—Elected a Junior, 370.
- SEABURY, GEORGE TILLEY.—Transferred to Grade of Associate Member, 497.
- SEAMAN, HENRY B.—Correspondence by, 131.
- SEARLE, LEWEN FIRTH.—Elected an Associate Member, 201.
- SEATON, WILLIAM, JR.—Death announced, 47.
- Secretary.—Report of, 14, 51; Election of, 49; Report of, Relative to Time and Place for Holding 41st Annual Convention, 241, 264.
- SELANDER, JOHN EINAR.—Elected a Member, 460.
- SELLERS, COLEMAN.—Death announced, 4.
- SELMER, WILLIAM LEE.—Elected a Junior, 168.
- SEMSCH, O. F.—Discussion by, 495.
- SENIOR, FRANK SEARS.—Elected an Associate Member, 45.
- SHAFFER, JOHN CHARLES FORSYTHE.—Elected a Junior, 412.
- SHANNAHAN, JOHN NEWTON.—Transferred to Grade of Member, 202.
- SHATTUCK, ORVILLE FRANK.—Elected a Member, 240.
- SHAW, PERCY AUGUSTUS.—Elected a Junior, 370.
- SHEARWOOD, F. P.—Correspondence by, 131.
- SHEPARD, HENRY HUDSON.—Elected a Member, 45.
- SHIPMAN, CHARLEY EVANS.—Elected an Associate Member, 461.
- SKILLIN, EDWARD SIMEON.—Elected an Associate Member, 496.
- SKINNER, F. W.—Discussion by, 166, 199, 407.

SLEEPER.

- SLEEPER, GEORGE EDWARD.—Death announced, 461.
- SLOAN, WILLIAM GRIFFITH.—Elected a Member, 496.
- SMILEY, GRIER RALSTON.—Elected an Associate Member, 167.
- SMITH, FRANCIS VINTON.—Elected an Associate, 411.
- SMITH, GEORGE ELROY.—Elected a Junior, 412.
- SMITH, J. WALDO.—On Committee of Arrangements for Annual Convention, 48; On Publication Committee, 49; On Committee of Arrangements for Annual Meeting, 462.
- SMITH, JAMES.—Transferred to Grade of Member, 167.
- SMITH, RUSSELL BIDDLE.—Elected an Associate Member, 201.
- SMITH, TRAVIS LOGAN, JR.—Elected an Associate Member, 461.
- SMITH, WALTER TOWNSEND.—Elected an Associate, 411.
- SMITH, WILLIAM ERNEST.—Elected an Associate Member, 496.
- SMITH, WILLIS ROSWELL.—Elected a Member, 132.
- SNARE, FREDERICK.—Lecture by, 238.
- SPAULDING, CHARLES LINCOLN.—Elected a Member, 166.
- SPEAR, PHILIP HICHBORN.—Elected an Associate Member, 45.
- SPENCER, HERBERT.—Elected an Associate Member, 133.
- SPENGLER, ALBERT.—Elected an Associate Member, 201.
- SPRAGUE, FRANK J.—Discussion by, 165.
- STANIFORD, CHARLES W.—On Nominating Committee, 42, 55.
- STANLEY, ORRIN ELMORE.—Elected an Associate Member, 411.
- STANTON, FRED CASWELL.—Elected an Associate Member, 167.
- STEARNS, F. L.—Discussion by, 1.
- STEARNS, IRVING ARIEL.—Resignation accepted, 49.
- Steel Columns and Struts.—Motion Relative to Appointment of Committee on, 132; Report of Board of Direction on Appointment of Committee on, 244, 290; Report of Tellers Appointed to Canvass Ballot on Appointment of Committee on, 368; Appointment of, 462.

STEERE.

- STEERE, ANTHONY ENOCH.—Elected an Associate Member, 167.
- STEPHENSON, FRANK HENRY.—Elected an Associate Member, 3.
- STEPHENSON, GRANT THOMAS.—Elected a Junior, 202.
- STERN, E. W.—Discussion by, 2, 132, 495.
- STERN, ISAAC FARBER.—Elected a Member, 166.
- STEVENS, JOHN CYPRIAN.—Elected an Associate Member, 167.
- STEWART, JOHN.—Elected an Associate Member, 461.
- STILSON, MINOTT AUGUR OSBORN.—Elected an Associate, 45.
- STODDARD, GEORGE C.—Appointed Teller to Canvas Ballot on Appointment of Committee on Steel Columns and Struts, 367.
- STONE, JAMES HAMMOND.—Elected a Junior, 168.
- STORER, STACY STEWARD.—Elected an Associate Member, 461.
- STOTT, HENRY GORDON.—Discussion by, 165; Elected a Member, 240.
- STOUT, HOMER HARDING.—Elected an Associate Member, 411.
- STOWITTS, GEORGE PUTNAM.—Elected an Associate Member, 239.
- STROEBE, GEORGE GOTTLIEB.—Elected an Associate, 461.
- STRONG, ARCHIBALD MCCLURE.—Elected an Associate Member, 3.
- STROUT, GALE STANLEY.—Elected a Junior, 168.
- STUART, FRANCIS LEE.—Nominated as Director, 414.
- "Substructure of Piscataquis Bridge, and Analysis of Concrete Work," presented and discussed, 200.
- SUMNER, HORACE A.—On Local Committee of Arrangements for Annual Convention, 48; Nominated as Director, 414.
- SWAAB, SOLOMON MARK.—Transferred to Grade of Member, 202.
- SWAIN, GEORGE F.—Elected Vice-President, 44, 83; On Publication Committee, 49.
- SWEENEY, JOHN BERNARD.—Elected a Junior, 133.
- SWENSSON, EMIL.—On Publication Committee, 49; Nominated as Vice-President, 414.
- TAINTER, FRANK STONE.—Transferred to Grade of Member, 167.

TALBOT.

- TALBOT, ARTHUR N.—Nominated as Director, 414.
- TALBOT, EARLE.—Elected an Associate Member, 133.
- TAYLOR, EDWIN ALEXANDER.—Transferred to Grade of Member, 239.
- TAYLOR, GEORGE McCLELLAN.—Elected a Member, 496.
- TAYLOR, JACKSON, JR.—Elected an Associate Member, 411.
- TAYLOR, OLIVER KIRK, JR.—Elected an Associate Member, 201.
- TAYLOR, WARREN CROSBY.—Elected a Junior, 46.
- TEFFT, WILLIAM WOLCOTT.—Elected a Junior, 412.
- TEIGEN, THOMAS WILLIAM ROSTAD.—Transferred to Grade of Associate Member, 497.
- Tellers.—Appointed to Canvass Ballot for Officers, 41, 51; Report of, On Vote for Officers, 44, 81; Appointed to Canvass Ballot on Appointment of Committee on Steel Columns and Struts, 367; Report of, On Appointment of Committee on Steel Columns and Struts, 368; Appointed to Canvass Ballot on Proposed Amendments to the Constitution, 408; Report of, On Proposed Amendments to the Constitution, 409, 410.
- TERRY, EDWARD CLINTON.—Death announced, 200.
- THACHER, EDWIN.—Discussion by, 2.
- "The Effect of Temperature Changes on Masonry," presented and discussed, 237.
- "The Electrification of the Suburban Zone of the New York Central and Hudson River Railroad in the Vicinity of New York City," presented and discussed, 165.
- "The Hydro-Electric Development and Transmission Lines of the Canadian Niagara Power Company," presented and discussed, 459.
- The Maintenance of Macadam and Other Roads.—Informal discussion on, 244.
- "The Naval Floating Dock—Its Advantages, Design and Construction," awarded the Norman Medal, 42, 49, 52.
- "The Sinking of the Piers for the Grand Trunk Pacific Bridge at

THE.

- Fort William, Ontario, Canada," presented and discussed, 407.
- The Use of Reinforced Concrete in Engineering Structures.—Informal discussion on, 2.
- THEODORSON, WILLIAM ANTON. — Elected an Associate Member, 411.
- THOMA, JACOB.—Elected an Associate Member, 411.
- THOMAS, CHARLES DURA.—Elected an Associate Member, 3.
- THOMAS, EDGAR BRANSON.—Elected an Associate Member, 239.
- THOMAS, GEORGE EDWARD.—Death announced, 165.
- THOMAS, RALPH DANFORD.—Elected an Associate Member, 201.
- THOMPSON, SAMUEL C.—Nominated as Director, 414.
- THOMPSON, SANFORD E.—Discussion by, 2.
- THOMSON, FRED MORTON.—Elected a Junior, 412.
- THOMSON, T. KENNARD.—Discussion by, 199; Appointed Teller to Canvass Ballot on Amendments to Constitution, 408; Paper by, 495.
- THORP, RICHARD FENWICK.—Death announced, 370.
- THRANE, MARTIN MATHIAS.—Elected an Associate Member, 3.
- THURINGER, CHARLES.—Elected an Associate Member, 133.
- TILLIT, PEDRO ERNESTO.—Elected a Junior, 412.
- TILLSON, GEORGE W.—On Committee of Arrangements for Annual Convention, 48.
- TITSWORTH, RALPH BENTLEY.—Elected an Associate Member, 496.
- TODD, A. MILLER.—Discussion by, 460.
- TONKIN THOMAS, JUAN.—Transferred to Grade of Member, 3.
- TÖNNESEN, FRIDTHJOF LAURITZ MARTIN.—Elected an Associate Member, 239.
- TOWER, MORTON LOUDON.—Elected an Associate Member, 201.
- Transactions.*—Publication of Index Authorized, 49; Change in Issue from Semi-Annual to Quarterly, 462; Price increased, 498.
- Treasurer.—Report of, 16, 51.
- TRIBUS, L. L.—Discussion by, 1, 496.
- TRIEST, W. G.—Appointed Teller to Canvass Ballot on Appointment

TUNSTALL.

- of Committee on Steel Columns and Struts, 367.
- TUNSTALL, WHITMELL PUGH.—Elected an Associate Member, 461.
- TURNER, AUGUSTUS MIESSE.—Elected an Associate Member, 496.
- TURNER, E. K.—On Committee to Recommend the Award of Prizes, 48, 52.
- TURNER, FRANKLIN PIERCE.—Elected an Associate Member, 201.
- TURNER, H. C.—Discussion by, 2.
- TURNER, NATHANIEL PARKER.—Elected an Associate Member, 496.
- TURNER, OMAR ASA.—Elected an Associate Member, 201.
- TUTTON, CHARLES HAROLD.—Death announced, 370.
- TYLER, RICHARD GAINES.—Elected a Junior, 412.
- UBSDELL, JOHN ARNOLD.—Elected a Member, 238.
- UHLER, WILLIAM DAVID.—Elected an Associate Member, 201.
- ULRICH, JOHN CLARENCE.—Elected a Member, 132.
- Underground Piping in City Streets.—Report of Board of Direction Relative to Committee on, 42, 48, 52.
- UPSON, MAXWELL MAYHEW.—Elected an Associate Member, 201.
- USINA, D. A.—Paper by, 199; Discussion by, 199.
- VALLE ZENO, CARLOS DEL.—Elected an Associate Member, 167.
- VAN CLEVE, A. H.—Paper by, 459; Discussion by, 459.
- VAN HORNE, J. G.—Appointed Teller to Canvass Ballot for Officers, 41, 51.
- VAN KIRK, CHARLES HINKLEY.—Resignation accepted, 49.
- VAN LIEW, JOHN EDGAR.—Elected an Associate Member, 241.
- VANNEMAN, CHARLES REEVE.—Elected an Associate Member, 239.
- VAN SUETENDAEL, ACHILLE OCTAVE.—Elected an Associate Member, 239.
- VAN VLECK, JAMES BRACKETT.—Elected a Junior, 202.
- VAUGHN, CLARENCE GEORGE.—Death announced, 370.

VENABLE.

- VENABLE, WILLIAM M.—Correspondence by, 1.
- VILLA, MIGUEL.—Elected a Junior, 412.
- VOGLESON, JOHN ALBERT.—Transferred to Grade of Member, 167.
- VOLCK, ADELBERT GEORGE.—Elected a Junior, 497.
- VON EMPERGER, FRITZ EDLER.—Elected a Member, 45.
- VON GELDERN, EDWARD.—Elected a Junior, 202.
- VOSE, RICHARD HAMPTON.—Elected a Member, 410.
- WADDELL, NEEDHAM EVERETT.—Elected a Junior, 370.
- WAGNER, SAMUEL TOBIAS.—Appointed Teller to Canvass Ballot on Appointment of Committee on Steel Columns and Struts, 367.
- WAGONER, LUTHER.—Paper by, 367.
- WAITE, GUY B.—Correspondence by, 132.
- WALKER, JOSEPH MILTON.—Death announced, 47.
- WALMSLEY, WALTER NEWBOLD.—Elected a Member, 496.
- WALSH, GEORGE SCHERZER.—Transferred to Grade of Member, 167.
- WALTMAN, WILLIAM DEWITT.—Elected an Associate Member, 496.
- WARMAN, FREDERICK CONOVER.—Death announced, 238.
- "Water Storage and Distribution," Address on, 244.
- "Water-Works Valuation and Fair Rates, in the Light of the Maine Supreme Court Decisions in the Waterville and Brunswick Cases," presented and discussed, 496.
- WATKINS, SAMUEL DALE.—Elected a Junior, 168.
- WATSON, IRVINE.—Transferred to Grade of Member, 133.
- WATT, DAVID A.—On Nominating Committee, 42, 57.
- WATT, JAMES ROBERT.—Elected an Associate, 239.
- WEAVER, EARLL CHASE.—Elected a Junior, 168.
- WEAVER, FRANK MAURICE.—Resignation accepted, 49.
- WEBBER, CHARLES PERKINS.—Elected an Associate Member, 411.
- WEBBER, ROY IRVIN.—Elected an Associate Member, 167.

WEBSTER.

- WEBSTER, FRANK WALLACE.—Elected an Associate Member, 201.
- WEDGEWORTH, DONALD CLARK.—Elected an Associate Member, 167; Discussion by, 244.
- WEISS, ANDREW.—Elected an Associate Member, 3.
- WELLER, WILLIAM EARL.—Elected a Junior, 4.
- WELLS, CLINTON GLENCAIRN.—Death announced, 459.
- WELTON, B. F.—Discussion by, 1.
- WENIGE, ARTHUR EMIL.—Elected an Associate Member, 411.
- WHEELER, ARTHUR CHAMBERS.—Elected an Associate Member, 411.
- WHEELER, SCHUYLER SKAATS.—Resignation accepted, 49.
- WHILDIN, WILLIAM GWILYM.—Elected a Member, 201.
- WHIPPLE, GEORGE CHANDLER.—Transferred to Grade of Member, 412.
- WHITE, BYRON ELLSWORTH.—Elected an Associate Member, 241.
- WILDER, ALVIN DUMOND.—Elected a Junior, 412.
- WILEY, H. L.—Paper by, 407.
- WILEY, RALPH BENJAMIN.—Elected a Junior, 46.
- WILGUS, W. J.—Paper by, 165; Discussion by, 165.
- WILKINS, WILLIAM G.—Amendment to Constitution Proposed by, 243, 288; Nominated as Director, 414.
- WILKINSON, THOMAS LEE.—Elected a Member, 45.
- WILLARD, WILLIAM CLYDE.—Elected a Junior, 369.
- WILLIAMS, GARDNER S.—Elected a Director, 44, 83; Discussion by, 245, 496.
- WILLIAMS, RECTOR LINDE.—Elected a Junior, 370.
- WILLIAMS, SAMUEL DAUGHERTY, JR.—Transferred to Grade of Member, 3.
- WILMOT, JAMES.—Elected a Junior, 370.
- WILSON, HERBERT M.—Appointed Teller to Canvass Ballot for Officers, 41, 51.
- WILSON, PHILLIP LINDSLEY.—Elected an Associate Member, 241.
- WILSON, WILBUR THOMAS.—Elected an Associate Member, 241.
- WINCHESTER, PHILIP HAROLD.—Elected an Associate Member, 45.

WING.

WING, CHARLES BENJAMIN.—Transferred to Grade of Member, 461.
 WINSLOW, SYDNEY SMITH.—Elected a Junior, 370.
 WITTSTEIN, HERMAN LEWIS.—Elected a Junior, 412.
 WOLFF, HANS HERMANN.—Elected an Associate Member, 3.
 WOLFF, MAX WILLIAM.—Elected a Junior, 370.
 WOLKOWYSKI, ALEXANDER ILICH.—Elected a Junior, 4.
 WOOD, CHARLES WIDNEY.—Elected a Member, 410.
 WOODWORTH, ROBERT BELL.—Elected a Member, 166.
 WOOTEN, WILLIAM PRESTON.—Transferred to Grade of Member, 167.
 WORCESTER, J. R.—Paper by, 131; Discussion by, 131; Correspondence by, 166.

WORTHAM.

WORTHAM, JOHN ROOT.—Elected an Associate Member, 411.
 WRIGHT, ALBERT EUGENE.—Elected a Junior, 134.
 WRIGHT, THOMAS TEMPLE.—Elected a Junior, 370.
 WYGANT, ROBERT CECIL.—Elected a Junior, 412.
 YANG, KWANG KING.—Elected a Member, 166.
 YATES, WILLIAM HENRY.—Elected an Associate Member, 3.
 YEREANCE, WILLIAM BURNET.—Transferred to Grade of Member, 133.
 ZARBELL, ELMER.—Transferred to Grade of Member, 202.
 ZIMMERMANN, WALTER GUSTAF.—Elected an Associate Member, 411.

